



CoreLine Trunking

LL120X LED84S/840 2x PSD O 9 WH

CoreLine Trunking - LED Module, system flux 8400 lm - 840 neutral white - Power supply unit with DALI interface - Opal - 9 conductors - White

Whether for a new facility or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Trunking range of LED products can be used to replace general lighting. The process of selecting, installing and maintaining is so easy – it's a simple switch.

Product data

General Information			
Number of light sources	6 [6 pcs]	Cable	-
Lamp family code	LED84S [LED Module, system flux 8400 lm]	Protection class IEC	Safety class I (I)
Beam angle of light source	120 °	Mounting	SM1 [Suspension set 1-wire]
Light source colour	840 neutral white	Ready-to-install	-
Light source replaceable	No	Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
Number of gear units	2 units	Flammability mark	F [For mounting on normally flammable surfaces]
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]	Accessories included	MB-SW [Mounting bracket for suspension wire]
Driver included	Yes	CE mark	CE mark
Optic type	No [-]	ENEC mark	ENEC mark
Optical cover/lens type	O [Opal]	Mechanical accessories	No [-]
Luminaire light beam spread	117°	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore
Emergency lighting	No [-]		
Control interface	DALI		
Internal wiring	Standard		
Feed-through wiring	Feed-through wiring 9-phase		
Connection	CU9 [Connection unit 9-pole]		

CoreLine Trunking

	the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB	12
Product Family Code	LL120X [CoreLine Trunking]
Unified glare rating CEN	Not applicable

Light Technical

Light distribution	DIR [Direct lighting]
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Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Circuit	No [-]
Circuit option	9 [9 conductors]
Inrush current	44 A
Inrush time	0.275 ms
Power factor (min.)	0.95

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing material	Steel
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Optical cover/lens finish	Opal
Overall length	3450 mm
Overall width	95 mm
Overall height	52 mm
Height	52 mm
Diameter	-
Colour	White
Dimensions (height x width x depth)	52 x 95 x 3450 mm (2 x 3.7 x 135.8 in)

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux	8400 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	131 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	64 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions

Ambient temperature range	-20 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	No

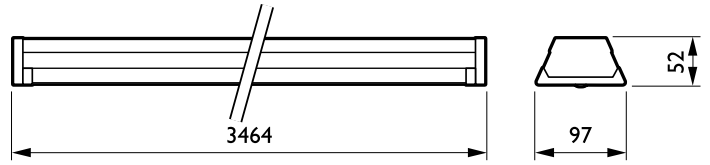
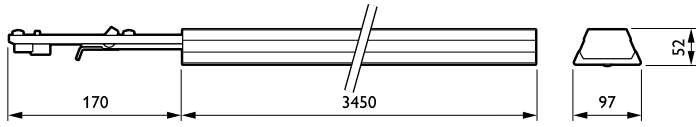
Product Data

Full product code	871829190736700
Order product name	LL120X LED84S/840 2x PSD O 9 WH
EAN/UPC – product	8718291907367
Order code	90736700
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910925683010
Net weight (piece)	7.300 kg

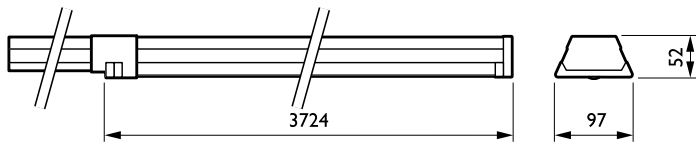


CoreLine Trunking

Dimensional drawing



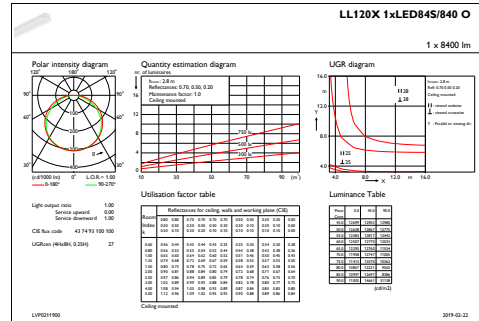
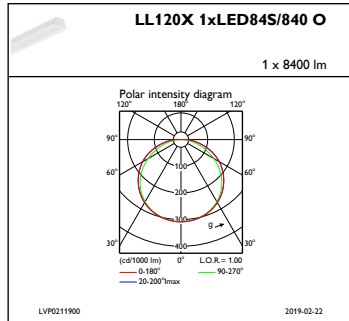
CoreLine electr. units LL120X-LL122X



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Photometric data



IFPC1_LL120X1xLED84S8400

IFGU1_LL120X1xLED84S8400

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